

a. What is the object's position at time $t = 2$?

b. What is the object's velocity at time $t = 2$?

c. What is the object's acceleration at time $t = 2$?

d. Is the object speeding up or slowing down at $t = 2$? Justify your response.

e. When is the object at rest?

f. When is the object moving right?

g. How far does the object travel in the first 4 seconds?